

Application Serial No. 10/763,500

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Date May 16, 2005

Reply to Office Action dated February 15, 2005

Amendments to the Abstract

Please replace the Abstract, paragraph [0030] with the following Abstract:

ABSTRACT OF THE DISCLOSURE

[0030] A position control system is used for controlling a fluid operated cylinder having at least one fluid chamber defined by a piston located within a housing for movement between first and second end limits of travel. The system includes at least two electrically actuated proportional flow control valves connected to each port of the cylinder for selectively and proportionally controlling fluid flow into and out of the at least one chamber. At least one pressure sensor is provided for measuring fluid pressure with respect to each chamber. At least one ~~discreet~~ discrete position sensor is located adjacent a midpoint of the cylinder for sensing a ~~discreet~~ discrete centered position of the piston. A controller includes a program and is operably connected for controlling actuation of the at least two valves in response to pressure measured by the at least one pressure sensor and location measured by the at least one position sensor.